



AVALEX INC.

Civil Engineering & Environmental Services

January 16, 2003

Natalie Lee
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
P.O. Box 4025
Sacramento, California 95812-4025

Re: Sierra County Regional Agency - Amended Petition for Reduction in Goals

Dear Ms. Lee:

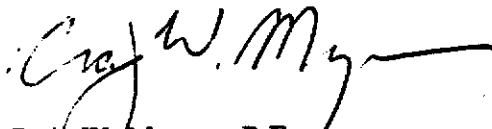
On behalf of the Sierra County Regional Agency, enclosed please find a copy of the Amended Petition for Reduction in Diversion Goals submitted in compliance with PRC Section 41787 and Title 14 CCR Section 18775. The Petition covers the Sierra County Regional Agency and its two member agencies, the County of Sierra and the City of Loyalton. Both the County and the City of Loyalton qualify as "rural" communities under the criteria set for in PRC Section 41787.

The petition requests that the diversion goal be reduced from 50% to 22%.

Also enclosed is a copy of the County's program descriptions as requested and revised diversion rate calculations for 1999 and 2000 using the Waste Board's most recent data for population, employment, CPI, and taxable sales. The revised diversion rates for 1999 and 2000 are 35% and 22% respectively. I have also included a brief summary of the waste generation and diversion quantities for 2000 from the County's Board of Equalization reports. This summary reveals that 15% of the waste accepted at the landfill was diverted from disposal. This diversion does not take into account the diversion of wood and yard wastes that takes place at the transfer sites and other source reduction measures in the County. This diversion is considerable as there has been a 12.7% reduction in the quantity of waste transported from the County's transfer stations over the past 10 year as shown in the table accompanying the 2000 waste generation data.

If you have any questions concerning the revised petition, please call me at (530) 577-8541.

Sincerely,
AVALEX INC.


Craig W. Morgan, P.E.
Principal Engineer

Enclosure

Cc/Enclosure Tim H. Beals, Director Sierra County Department of Public Works.

**Application to Petition for Reduced Diversion Requirements
For Rural Jurisdictions**


To request a reduced diversion or planning requirement, please contact your Office of Local Assistance (OLA) representative, who can assist you with completing this form. Once you have signed and completed this form return it to your OLA representative at the address below, along with any additional information requested by OLA staff. Once all documentation has been received, your OLA representative will work with you to prepare your request to be considered by the California Integrated Waste Management Board (Board) at its monthly meeting.

Mail Completed Documents to:

**California Integrated Waste Management Board
Office of Local Assistance (MS - 25)
1001 I Street
P.O. Box 4025 (mailing address)
Sacramento, CA 95812-4025**

To qualify for a rural reduction in the diversion and planning requirements, a jurisdiction must meet the rural definition and certain other requirements set forth in statute and regulation. (Please see the Rural Web). Please contact your OLA representative to determine whether your jurisdiction is listed as rural on the California Integrated Waste Management Board's (CIWMB) Rural Jurisdiction Status spreadsheet?

Please complete Section I-Section VII

Section I: Jurisdiction Information and Certification		
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:		
Jurisdiction Name Sierra County Regional Agency		County Sierra
Authorized Signature 		Title Director of Public Works and Planning
Type/Print Name of Person Signing Tim H. Beals	Date	Phone (Begin with area code) (530)289-3201
Mailing Address P.O. Box 98	City Downieville	State Zip CA 95936
E-mail Address:		Fax Number (530) 289-2828

Section II: Diversion Rate Request and Waste Generation Summary

Please enter requested information below. *All calculations should be based on amounts for the year the reduced rate is being requested.

Diversion Rate Requested: 22%

Population*: 3,555

Waste Generation Summary*:

Disposal: 2820 tons

Diversion: 971 tons

Per Capita Waste Generation: 5.8 lbs./person/day

Residential
Generation 57 %

Non-Residential
Generation 43 %

Section III: Basis for Request

The following questions are in reference to the Board-approved *Policy for Granting Reductions in the 50% Medium-term (year 2000) Diversion Requirement* dated October 27, 1994 (please see the Petition for Rural Reduction Web page). Please address the following questions and provide any additional information that will support your petition to reduce the diversion requirements.

1. Please include an overall statement as to why your jurisdiction is unable to meet the state-mandated 50 percent diversion requirement. Discuss the diversion rate that the jurisdiction feels is achievable and explain the basis for the reduced diversion rate that you are requesting.

Sierra County is a rural community located within northeastern California. It has a small, dispersed population of 3,555 making it the second least populated county in the State behind Alpine County. Waste generation within the County is low by a number of measures. The County's total annual waste generation for the year 2000 was estimated to be approximately 3,800 tons. This yields an average per capita waste disposal rate of 5.8 pounds per capita per day. In comparison, the statewide per capita waste generation rate in 1990 was estimated to be 9.1 pounds and the rural waste generation rate 7.2 pounds (Waste Diversion in Rural California, CIWMB, 1991). The low waste generation rate in Sierra County and rural counties in general presents an inherent disadvantage to those jurisdictions attempting to achieve a 50% diversion goal because fewer opportunities exist to further reduce waste generation. This factor alone makes it difficult to achieve a 50% diversion rate in Sierra County.

Opportunities for recycling within the County are limited by a number of factors including climate, distances to recycling markets, small waste quantities which prevent savings due to economies of scale, low waste generation rates, and budgetary concerns. Despite these limitations, Sierra County has implemented a successful source reduction and recycling program within the County over the past ten years targeting those material types that provide the greatest reduction in disposal using the most cost effective means. The County's Source Reduction and Recycling Element (SRRE) projected a maximum practicable waste diversion of 26.6% within

the County given the limitations that exist. The County has presently implemented all significant programs within the SRRE and it appears as though most waste diversion expectations are being met.

It is difficult to gauge the amount of waste diversion that actually occurs in the County. In the Year 2000, 14.9% of the waste accepted at the landfill was recycled or transformed. The impact of source reduction measures are harder to measure. It is noted, however, that there has been a measureable reduction (12.7%) in the amount of waste collected at the County's four transfer stations between the years 1991 and 2001 - evidence that source reduction is occurring within the County. Waste diversion estimates made using the CIWMB's Diversion Rate Measurement System are uncertain due to problems with its methodology. This is apparent in the variability of estimates from year to year. Waste diversion within the County during the year 2000 was calculated to be 22%, with diversions of 27% and 35% for the years 1998 and 1999 respectively. (Calculations made using the most recent data values for CPL, taxable sales, employment, and population). In consideration of the programs that have been implemented and the limitations that exist with respect to further diversion, it is requested that the County be granted a reduction in goals to 22%.

2. Are there significant material types for which no programs have been implemented or for which programs are inadequate? Is there a significant waste generator in the jurisdiction that is not diverting materials?

Based upon the 1997 Source Reduction and Recycling Element for Sierra County, the following significant waste types exist for which no programs have been implemented for reasons of cost effectiveness.

Significant Waste Types Not Targeted:

Waste Type	% of Total Waste Generation
Other Paper	12%
Film Plastics	3.1%
Other Plastics	3.6%
Textiles and Leather	3.6%
Other Wastes	7.3% - ?
Total	29.6%

*what were believed sources
are these - industrial/
commercial*

Wastes types that have been targeted within the County's recycling program are currently being recovered at rates considered to be the maximum practical for the County.

3. Has source reduction been considered for those materials that cannot be recycled? Please describe.

The Source Reduction component of the County's SRRE Plan identified food wastes and yard wastes as waste types targeted for source reduction through backyard composting. In addition, more general source reduction measures are incorporated into the SREE's Education and Public Information component, which promotes source reduction within the county through education.

*reuse
used?*

4. Are there any major climate or geographic impediments that hinder the planning and implementation of programs? Please describe.

Sierra County is situated within the Sierra Nevada Mountains of Northeastern California. The climate of this region is characterized by excessive precipitation with a large percentage of it in the form of snowfall during winter months. This situation presents a number of challenges to the implementation of source reduction and diversion programs. For example, facilities used for the collection and storage of materials must be adequately protected from the rain and snowfall, and during winter months snow accumulation limits source reduction measures such as composting. Snowfall also places additional burdens upon the collection of materials from across the County that is already an expensive and difficult task. Like many mountain counties, communities within Sierra County are separated geographically from one another due to topographic features. In 1990, the County's collection of waste at the transfer stations and transportation to the landfill in Loyalton accounted for nearly half of the County's solid waste management budget. Collection costs have since increased due to the implementation of separation and recycling programs that require separate collection and transportation from the transfer stations to the landfill.

INCREASE COSTS

5. Is your jurisdiction located a significant distance from major markets for your materials? Is the population widely dispersed or is there a small population, which makes it difficult and expensive to collect recyclables? Please describe.

Yes, Sierra County is located in Northeastern California and all recyclable materials must be transported significant distances to material processing facilities. Locally, transportation corridors consist of mountainous highways and roads that present burdens on material transportation. The small quantities of materials generated within the region do not allow for cost-effective collection and transportation of many recyclable materials.

6. Is your jurisdiction's tax base limited by significant state or federal ownership of land? Please describe.

Yes, over 70% of the land in Sierra County is federally owned (U.S. Forest Service). Sierra County is the second smallest County in the State on a population basis. Census data for 2000 records the County population at 3,555.

7. Is your jurisdiction experiencing severe economic distress, high unemployment or above average poverty? Please describe.

Yes, unemployment within Sierra County historically has been higher than the rest of the state. The State Department of Finance estimated unemployment in Sierra County during the year 2000 at 7.7% as compared to 4.9% for the state as a whole. Sierra County has experienced significant economic pressures over the last ten years due to declines in the timber and mining industries. Revenues from timber harvesting, once a significant portion of the County's budget, have been significantly reduced in recent years. The decline in the timber industry was most recently illustrated by the closure of the Sierra Pacific Industry mill in Loyalton, historically one of the County's largest private employers. Similar declines in the mining industry have also been experienced in the past ten years.

8. Please identify budget constraints that may impact your jurisdiction's ability to implement additional programs. Is your jurisdiction pursuing every feasible means of generating revenue to fund diversion programs? Please describe.

Due to the limitations in Sierra County's tax base and generally poor economic conditions, budget constraints are a reality with which all County programs and departments must contend. During recent years, funding has been limited to core County programs and many programs throughout the County have been postponed or eliminated as a result of budgetary constraints.

9. Are the diversion programs currently effective? How effective are they? Please describe.

Current waste diversion programs are very effective for those materials targeted within the County's Source Reduction and Recycling Element. There are a number of reasons why these diversion programs are effective. First, Sierra County is home to a small closely knit community of residents that facilitates the exchange of information and education on solid waste programs and issues. Residents within the County are generally well informed about solid waste diversion and recycling programs. This has resulted in a high level of compliance with solid waste program objectives by County residents and has historically provided important feedback to the County in the planning and implementation of its solid waste programs. Another reason for the effectiveness of the solid waste diversion program is the nature of the waste collection and disposal system within the County. Approximately half of the waste generated within the County is directly transported by County residents to the County's four transfer facilities and/or landfill where effective controls exist to ensure source separation of recyclable materials and to exclude prohibited waste types. This interface of residents with County facilities also allows for continued education about County solid waste programs. The remaining half of waste generation within the County is directly transported to the County's landfill in Loyalton via two private waste haulers who implement their recycling programs.

The effectiveness of these programs can be seen in the quantity of recyclable materials collected within the County as presented in Table.

10. Are there any proposed programs planned or to be expanded to increase the level of diversion? Is it feasible to develop additional programs to increase the level of diversion? Please describe.

All of the programs identified within the County's SRRE have been implemented with the exception of operating residential buyback centers at the County's transfer stations. This program has not been implemented due to its cost and the fact that high rate of diversion already occurs within the County for beverage containers. Additional diversion programs beyond those presently adopted within the SRRE have not been proposed due to the cost considerations.

Section IV: Disposal Characterization

In order to fulfill the requirement for documentation on the types and quantities of waste disposed in your jurisdiction, the following sources of jurisdiction-specific information should be attached to this application and marked Attachment 1—Disposal Characterization:

- Solid Waste Generation or Characterization Study (SWGS) information found in the jurisdiction's Source Reduction and Recycling Element (SRRE)
- Disposal Reporting System (DRS) data (most recent available) for the jurisdiction
- Profiles information which can be found at: <http://www.ciwmb.ca.gov/Profiles/Juris/>

Any additional information may also be included.

Section V: Disposal and Diversion Collection System

Please provide information about the diversion and disposal collection systems provided by your jurisdiction.

Give a general description of your jurisdiction's contractual agreement(s) for diversion and disposal collection with the hauler(s) (i.e. exclusive franchise/competitive, length of contract, AB939 requirements, variable can rate incentives, etc.), funding sources/rates: (parcel fees, gate fees, utility fees, etc.)

Regulations governing private waste haulers within the County are contained within the County's Solid Waste Ordinances. The County does not administer franchise agreements with individual haulers, but rather regulates private waste collection through the issuance of licenses. Waste haulers are required to separate recyclables from wastes collected prior to disposal. Waste haulers are not responsible for achieving numerical diversion goals and are not required to offer variable can rate incentives. Funding for the County's solid waste program is via parcel fees on developed property, gate fees for special wastes, recycling revenues, and general fund contributions.

RESIDENTIAL SECTOR:8

COMMERCIAL/INDUSTRIAL SECTOR:

<p>Disposal</p> <p>Curbside collection..... <input checked="" type="checkbox"/></p> <p>Manual..... <input checked="" type="checkbox"/></p> <p>Semi-automated..... <input type="checkbox"/></p> <p>Automated..... <input type="checkbox"/></p> <p>Weekly..... <input checked="" type="checkbox"/></p> <p>Bi-weekly..... <input type="checkbox"/></p> <p>Mandatory participation..... <input type="checkbox"/></p> <p>Franchise Hauler..... <input type="checkbox"/></p> <p>Private Haulers..... <input type="checkbox"/></p> <p>Percent Self-haulers to landfill..... <input checked="" type="checkbox"/></p> <p>Percent Self-haulers to transfer station..... <input checked="" type="checkbox"/></p> <p>Additional Information:</p> <p><u>Self-haul to landfill - 25% (Residential & Commercial/Industrial)</u></p> <p><u>Self-haul to transfer station - 27% (Residential & Commercial/Industrial)</u></p>	<p>Diversion</p> <p>Weekly..... <input checked="" type="checkbox"/></p> <p>Bi-weekly..... <input type="checkbox"/></p> <p>Mandatory participation..... <input type="checkbox"/></p> <p>Franchise Hauler..... <input type="checkbox"/></p> <p>Private Haulers..... <input type="checkbox"/></p> <p>Self-haulers..... <input checked="" type="checkbox"/></p> <p>Materials collected curbside:</p> <p><u>varies</u></p> <p>Materials collected at drop-off site(s) (i.e., how many, including buy-back sites?)</p> <p><u>Transfer Stations: beverage containers, plastic, glass, tires, corrugated paper, newspaper, yard waste, and wood waste.</u></p> <p><u>Landfill: Same materials as at transfer stations plus metals, white goods, and autobodies.</u></p> <p><u>No buy back sites in County</u></p> <p>Additional Information:</p> <p>_____</p>
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Please provide any additional information about your jurisdiction's disposal or diversion collection systems that you feel may support your request:

In addition to the programs above, the County implements a construction debris reuse and recycling program at the landfill. Construction materials such as asphalt and concrete are stockpiled at the landfill for subsequent use elsewhere off-site.

Section VI: Diversion Characterization

Please describe your jurisdiction's current diversion activities, material and sector targeted, and approximate diversion rate. (Using the Board's PARIS program codes, list current diversion activities in the table below. For specific program codes, refer to your jurisdiction's PARIS information located at: <http://www.ciwmb.ca.gov/LGTools/PARIS/jurpgmsu.asp>)

Diversion Activity	Materials Targeted	Sector Targeted (Residential/ Non-Residential)	Approximate Diversion Rate Resulting From This Activity (If quantifiable)	Describe How This Activity Has Been Promoted
1010-SR-BCM Backyard and On-Site Composting/Mulching	Food Waste Yard Waste	Residential	3.6%	Public Education Programs School Education Programs
1030-SR-PMT Procurement	Various	Governmental Sector	Unknown	County Government Source Reduction and Recycling Policy adopted by Board
1050-SR-GOV Government Source Reduction Programs	Various	Governmental Sector	Unknown	County Government Source Reduction and Recycling Policy adopted by Board
1070-SR-OTH Other Source Reduction	Various	Residential/Non-Residential	Unknown	Public Education Programs
2010-RC-DRP Residential Drop-off	beverage containers, plastic, glass, tires, corrugated paper, newspaper, yard waste, wood waste	Residential/Non-Residential	Unknown	Public Education Programs School Education Programs
2020-RC-BYB Residential Buy-Back	beverage containers	Residential	-	Not implemented
2040-RC-SFH Commercial Self Haul	Various	Residential Non-Residential	Unknown	Public Education Programs
2050-RC-SCH School Recycling Programs	beverage containers	Non-Residential	Unknown	Public Education Programs/ School Education Programs
2060-RC-GOV Government Recycling Programs	Oil Filters, Beverage Containers, Various	Non-Residential	Unknown	County Government Source Reduction and Recycling Policy adopted by Board Public Education

Diversion Activity	Materials Targeted	Sector Targeted (Residential/ Non-Residential)	Approximate Diversion Rate Resulting From This Activity (if quantifiable)	Describe How This Activity Has Been Promoted
				Programs
2070-RC-SNL Special Collection Seasonal	Christmas Trees/Phone Books	Residential	Unknown	Public Education Programs, Phone Books Planned for Future Implementation
2080-RC-SPE Special Collection Events	Various	Residential/Non-Residential	Unknown	Varies
4000-SP-ASH Ash	Ash	Non-Residential	Unknown	Prohibition on Disposal of Industrial Ash at Landfill
4010-SP-SLG Sludge	Sewage/Industrial Sludge	Residential/Non-Residential	Unknown	Prohibition on Disposal at Landfill
4020-SP-TRS Tires	Tires	Residential/Non-Residential	0.4%	Special Waste Fee on Tires
4030-SP-SHG White Goods	White Goods	Residential/Non-Residential	0.6%	Special Waste Fee on White Goods
4050-SP-WDW Wood Waste	Wood Waste	Residential/Non-Residential	12.2%	Special Waste Fee on Wood Waste

**** Attach additional pages as necessary**

Diversion Activity	Materials Targeted	Sector Targeted (Residential/non-Residential)	Approximate Diversion Rate Resulting From This Activity ¹	Describe How This Activity Has Been Promoted
1010-SP-CAR Concrete/Asphalt/Rubble	Concrete/Asphalt/Rubble	Residential/Non-Residential	Unknown	Separation and Stockpiling at Landfill
5010-ED-PRN Education-Print	Various	Residential/Non-Residential	Unknown	Governmental and Non-governmental Public Education Programs
5020-ED-OUT Education-Outreach	Various	Residential/Non-Residential	Unknown	Governmental and Non-governmental Public Education Programs
5030-ED-SCH Education-Schools	Waste Oil, Hazardous Waste, Various	Residential/Non-Residential	Unknown	Cooperative Public Education Programs with Schools
6010-PI-EIN Economic Incentives	Various	Residential/Non-Residential	Unknown	Special Waste Fees, Fees for Non-separated waste.
6020-PI-ORD Ordinances	Various	Residential/Non-Residential	Unknown	Special Waste Fees, Fees for Non-separated waste, Prohibition on Special Waste Types
7020-FR-TST Transfer Station	Various	Residential/Non-Residential	Unknown	Sierra County Program Operation
8030-TR-OTH Other Transformation	Wood Wastes, Yard Wastes	Residential/Non-Residential	Unknown	Chipping and Incineration of Wood Waste
9000-HH-PMF Permanent Facility	Batteries, Oil, Paint, AntiFreeze	Residential/Non-Residential	Unknown	Sierra County Program Operation at Landfill and Transfer Stations
9010-HH-MPC Mobile or Periodic Collection	Household Hazardous Materials	Residential/Non-Residential	Unknown	Contract Basis from Year-to-Year. Public Education during events. , ,
9030-HH-WSE Waste Exchange	Various	Residential/Non-Residential	Unknown	Not Implemented. Diversion for Waste Exchange Waste Types Sufficient Without this Program
9040-HH-EDP Hazardous Waste Education Programs	Hazardous Materials	Residential/Non-Residential	Unknown	Newspaper Advertisements, Flyers at Landfill

Section VII: Programs Supporting Diversion Activities

Please describe your public sector diversion and procurement programs. (PRC Section 41787)

Material type targeted (i.e.; office paper)	Program description	Ordinances adopted or public policy developed (by whom, when, for what purpose? Attach copies of ordinances)
Office Paper	Double sided copying, purchase of paper with recycled content	Sierra County Resolution 2002-004
Office materials/equipment	Extended product life, recycled content, unnecessary waste, product re-usability, bulk packaging	Sierra County Resolution 2002-004
Various	Life cycle analysis	Sierra County Resolution 2002-004
Hazardous Materials	Limit use of hazardous materials to the extent needed	Sierra County Resolution 2002-004

Please describe your public information, education and outreach programs. (PRC Section 41787)

Public sector targeted (i.e., single residential, multi-residential, businesses, schools, etc.)	Material type targeted (i.e., greenwaste, commingled, cardboard, etc)	Program description	Frequency/number of contacts, mailings, advertisements during the last year
Residential/Commercial	Various - paper, glass, plastic, cardboard, yard waste, wood waste, hazardous waste	Public awareness programs implemented at the County Transfer Stations and Landfill	Varies – 2 to 3 times a year
Schools	Various - paper, glass, plastic, cardboard, yard waste, wood waste, hazardous waste	General recycling awareness education	Generally at least once a year

Attachment 1 – Disposal Characterization

Table 12. Average Weights Disposed by Generator Source

	Residential			Commercial			Industrial			USFS Campgrounds		
	Weight (tons)	%	Volume (yd3)	Weight (tons)	%	Volume (yd3)	Weight (tons)	%	Volume (yd3)	Weight (tons)	%	Volume (yd3)
Paper	541	29.9%	1380	275	27.7%	702	28	25.5%	71	74	26.7%	189
corrugated cont.	172	9.5%	459	81	8.2%	216	13	12.0%	34	22	7.9%	58
mixed paper	14	0.8%	34	6	0.6%	15	1	0.5%	1	2	0.7%	4
newspaper	103	5.7%	257	56	5.6%	141	2	1.9%	6	15	5.4%	38
white paper	18	1.0%	46	16	1.6%	41	3	2.8%	8	4	1.4%	11
other paper	234	12.9%	584	116	11.7%	289	9	8.3%	22	31	11.2%	78
Plastic	152	8.4%	842	88	8.9%	476	7	6.1%	30	23	8.3%	127
PET containers	5	0.3%	27	3	0.3%	16	0.1	0.1%	0.4	1	0.4%	4
HDPE containers	15	0.8%	87	5	0.5%	30	0.2	0.2%	1	1	0.4%	8
polystyrene foam	12	0.7%	128	7	0.7%	71	0.3	0.3%	3	2	0.7%	19
film plastics	54	3.0%	162	34	3.4%	101	3	2.8%	9	9	3.2%	27
other plastics	66	3.6%	438	39	3.9%	258	3	2.8%	17	10	3.6%	69
Glass	90	5.0%	65	72	7.3%	52	6	5.6%	4	19	6.9%	14
refillable beverage	3	0.2%	2	6	0.6%	4	0	0.0%	0	2	0.7%	1
CA redemption	29	1.6%	21	27	2.7%	19	4	3.7%	3	7	2.5%	5
other recyclable	54	3.0%	39	20	2.0%	15	1	0.9%	1	5	1.8%	4
other non-recyclable	4	0.2%	3	19	1.9%	14	1	0.9%	0.3	5	1.8%	4
Metals	106	5.9%	510	72	7.2%	340	14	13.0%	65	20	7.3%	92
aluminum cans	22	1.2%	179	14	1.4%	111	1	0.9%	11	4	1.4%	30
bi-metal containers	0.1	0.0%	0.3	1	0.1%	3	0	0.0%	0	0.2	0.1%	1
ferrous metals	65	3.6%	236	43	4.3%	157	8	7.4%	28	12	4.3%	42
non-ferrous metals	18	1.0%	91	14	1.4%	69	5	4.6%	26	4	1.4%	19
white goods	1	0.1%	4	0	0.0%	0	0	0.0%	0	0	0.0%	0
Yard Wastes	140	7.7%	187	7	0.7%	9	0.3	0.3%	0.4	3	1.1%	4
Other Organics	678	37.5%	1694	405	40.9%	934	26	24.1%	56	122	44.0%	283
food wastes	155	8.6%	155	98	9.9%	98	7	6.5%	7	26	9.4%	26
tires & rubber	11	0.6%	66	6	0.6%	36	0	0.0%	0	2	0.7%	10
wood wastes	423	23.4%	1057	278	28.0%	696	16	14.8%	39	88	31.7%	219
manure	0	0.0%	0	0.0	0.0%	0.2	1	0.9%	1	0.1	0.0%	0.1
agricultural residues	0	0.0%	0	0.2	0.0%	0	0	0.0%	0	0	0.0%	0
textiles & leather	86	4.8%	397	23	2.3%	104	2	1.9%	9	6	2.2%	28
miscellaneous	3	0.2%	19	0	0.0%	0	0	0.0%	0	0	0.0%	0
Other Wastes	62	3.4%	225	47	4.7%	63	27	25.0%	24	12	4.3%	17
inert solids	44	2.4%	35	38	3.8%	30	26	24.1%	21	10	3.6%	8
oversized bulky items	0	0.0%	190	0	0.0%	0	0	0.0%	0	0	0.0%	0
non-recyc. comp pack	18	1.0%	0	9	0.9%	33	1	0.9%	3	2	0.7%	9
Special Wastes	41	2.3%	217	26	2.6%	147	1	0.6%	1	4	1.4%	19
ash	1	0.1%	2	0	0.0%	0	0.3	0.3%	0	0	0.0%	0
sewage sludge	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
industrial sludge	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
asbestos	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
auto shredder waste	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
autobodies	12	0.7%	75	12	1.2%	75	0	0.0%	0	0	0.0%	0
other special wastes	28	1.5%	140	14	1.4%	72	0.3	0.3%	1	4	1.4%	19
TOTAL	1810	100%	5120	992	100%	2723	108	100%	252	277	100%	744



Jurisdiction Disposal and ADC by Facility

Disposal during **2000** for **Sierra County Regional Agency**

Qtr	Facility Name (County)	SWIS Number	Orphan Code	In-state Disposal	Exported Out-of-State	Total Disposal	ADC Amount
Sierra County Regional Agency							
1	LOYALTON LANDFILL (Sierra County Regional Agency)	46-AA-0001	0	633.00	0.00		0.00
2	LOYALTON LANDFILL (Sierra County Regional Agency)	46-AA-0001	0	518.00	0.00		0.00
3	LOYALTON LANDFILL (Sierra County Regional Agency)	46-AA-0001	0	999.00	0.00		0.00
4	LOYALTON LANDFILL (Sierra County Regional Agency)	46-AA-0001	0	670.00	0.00		0.00
Totals (Tons)				2,820.00	0.00	2,820.00	0.00

[Back to Jurisdiction Disposal by Facility](#)

Notes:

- Orphan waste codes also known as "host assigned waste" (see California Code of Regulations, Title 14 sections 18800 through 18813.)
- ADC is defined by law as diversion through recycling and is not considered disposal. See [Public Resource Code \(PRC\)](#) Section 41781.3(a).

Orphan Codes:

- 1 = Origin is not a valid jurisdiction.
- 2 = Origin listed is a county.
- 3 = Orphaned amount to match Board of Equalization data.
- 4 = Origin information was not provided.
- 5 = Orphaned prior to 1998.

Disposal tonnage is subject to change due to revisions. Report is based upon information provided by County disposal reports.

Last updated: Daily

Local Government Central <http://www.ciwmb.ca.gov/LGCentral/>
 Larry Stephens: lstephen@ciwmb.ca.gov (916) 341-6241
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General Information

Jurisdiction: Sierra County Regional Agency

County: Sierra

Size: 973.0 Sq./Miles

Geographic Area: Mountain

Rural/Urban: Rural

(L)EA: CIWMB

State Representatives

1 Senate District(s) [More...](#)
Oller, Rico (R) Senate District 1

1 Assembly District(s) [More...](#)
Aanestad, Sam (R) Assembly District 3

[US Senate Information](#) [US Representative Information](#)
[County Information](#) [City Information](#)

Household Materials Generators (1999)*Population data not available**Housing units data not available***Business Materials Generators**

Taxable Sales (1999): \$13,889,000

Employment (1999): 1,759

Businesses (1999): 237

Household Materials Collection*Data not available***Business Materials Collection**

Commercial On-Site Recyclable Pickup: No

Commercial On-Site Greenwaste Pickup: No

Top 4 Specific Materials in Household Disposal
(Based on 1999 Statewide Estimates)

Specific Material Type	%	Tons
Food	20.0%	41
Leaves and Grass	10.5%	21
Remainder/Composite Organic	9.5%	19
Remainder/Composite Paper	8.1%	16

[More...](#)

Top 4 Specific Materials in Business Disposal
(Based on 1999 Statewide Estimates)

Specific Material Type	%	Tons/Yr
Food	13.7%	382
Lumber	11.4%	319
Remainder/Composite Paper	8.4%	234
Remainder/Composite Organic	7.8%	218

[More...](#)

Household Disposal by Overall Materials
(Based on 1999 Statewide Estimates)

Material General Category	%	Tons
Other Organic	45.0%	353
Paper	27.5%	215
Plastic	8.8%	69
Metal	4.6%	36
Construction and Demolition	4.5%	35
Glass	4.0%	32
Mixed Residue	4.0%	31
Household Hazardous Waste	0.3%	3
Special Waste	0.0%	0

Business Disposal by General Material Category
(Based on 1999 Statewide Estimates)

Material Category	%	Tons
Other Organic	29.4%	823
Metal	7.7%	217
Special Waste	0.1%	2
Glass	3.3%	92
Plastic	7.4%	207
Household Hazardous Waste	0.2%	6
Mixed Residue	0.6%	17
Construction and Demolition	19.0%	532
Paper	28.0%	783

Household Disposal Rates (2000)

57% of overall disposal

Total Household Waste Disposal (Tons/Yr.) 1,607

Resident Daily Disposal (lbs. per Resident/Day.) 2.8

Top 4 Business Types with the Most Disposal
(Based on 1999 Statewide Estimates)

Sector	%	Tons/Yr
Manufacturing-Lumber and Wood Products	20.5%	561
Construction	15.5%	426
Services-Hotels / Lodging	11.6%	317
Mining	7.0%	192

[More...](#)

Business Disposal Rates (2000)

43% of overall disposal

Total Business Waste Disposal (Tons/Yr)	1,213
Employee Daily Disposal (Lbs./Employee/Day)	3.8
Disposal Related to Taxable Sales(lbs./\$100)	0.0

Waste Stream Information Profiles <http://www.ciwmb.ca.gov/Profiles/>

Profiles Coordinator Darryl Petker: (916) 341-6704 Disclaimer Information

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Sierra County Integrated Waste Management Program

Program Code/ Name	Program Description
1010-SRT-BCM Backyard and Onsite Composting/Mulching	The County promotes on-site (backyard) composting and mulching to both residential and commercial waste generators through public education programs. Targeted materials include yard wastes and food wastes. Education has been provided by distributing "how-to" brochures to the public at the transfer stations and landfill and County offices. The County also participates in local community functions, e.g. County fairs, and has provided composting bins as part of the education effort. Education is also provided to students within the county through cooperative school programs.
1030 SR-PMT Procurement	The County adopted a formal policy for procurement, source reduction, and recycling at County offices through the adoption of Resolution 2002-004. This resolution requires that preference be given to materials with are recyclable and/or which contain recycled materials, provides that efforts be made to avoid unnecessary waste generation during procurement, and promotes double sided copying and electronic communications to reduce paper use. Procurement policies have also been adopted by other governmental agencies with offices in the County: e.g., CALTRANS and U.S. Forest Service.
1050-SR-GOV Government Source Reduction Programs	County Resolution 2002-004 addresses source reduction measures as noted above.
1070-SR-OTH Other Source Reduction	The County promotes a number of other source reduction measures as part of its SRRE Education program including the purchase of products in bulk, avoidance of disposable products and use of reusable products, and the purchase of durable products with less packaging.
2000-RC-CRB Residential Pick-up	There are two private waste haulers operating within the County that provide for residential waste collection service. These haulers dispose of waste collected within the county to the County's landfill in Loyalton. The County's ordinance prohibits the disposal of non-separated waste at the landfill; therefore it is incumbent upon the waste haulers to provide a means to prevent recyclable materials from their customers from entering the landfill. In the past, one of the waste haulers provided for the separate collection of recyclables at the curb. The waste hauler has presently discontinued this practice. It is conceivable that one or both private waste haulers would again implement a curb-side pickup program if the County finds that inadequate separation of recyclable materials is occurring in their waste disposal to the landfill.
2010-RC-DRP Residential Drop-off	Drop-off facilities for recyclable materials are available at each of the County's four transfer stations and at the landfill in Loyalton. In addition, the County maintains recycling bins at selected locations across the County to better serve the residents. Presently, the following materials are collected for recycling at the transfer stations: aluminum, glass and plastic beverage containers, tires, yard waste, white goods, wood waste, and newspaper. The following materials are collected for recycling at the landfill in addition to those listed above: scrap metal, autobodies, and corrugated card board. Recycling bins allow for the collection of aluminum, glass and plastic beverage containers. The County's Solid Waste Ordinance mandates that recyclable materials be separated from refuse prior to disposal. This is vigorously enforced at the County's transfer stations and at the landfill, which provides for a high rate of diversion for these materials.
2020-RC-BYB Residential Buyback	The County's SRRE proposes that residential buyback centers be established at the four transfer stations and at the landfill. This program has not been implemented and it may not be done so in the future as sufficient diversion appears to be occurring and there is insufficient funding presently for the program. Presently, county residents travel to Portola, Reno, or Grass Valley if they wish to redeem their recyclable containers.
2040-RC-SFH Commercial Self-Haul	The County's largest generator of cardboard, Leonards Supermarket in Loyalton, implements its own recycling program for this material.

Sierra County Integrated Waste Management Program

2050-RC-SCH School Recycling Programs	The Sierra-Plumas Joint Unified School District implements their own recycling program that provides for the collection of recyclables at each of the schools. The district has incorporated recycling and source reduction education into their curriculum and the County has assisted with educational programs at the schools in the past.
2060-RC-GOV Government Recycling Programs	The County adopted a formal policy for procurement, source reduction, and recycling at County offices through the adoption of Resolution 2002-004. This resolution requires that preference be given to materials which are recyclable and/or which contain recycled materials, provides that efforts be made to avoid unnecessary waste generation during procurement, and promotes double sided copying and electronic communications to reduce paper use. Procurement policies have also been adopted by other governmental agencies with offices in the County: e.g., CALTRANS and U.S. Forest Service.
2070-RC-SNL Special Collection Seasonal (regular)	The County's SRRE proposes that phone book recycling be performed within the County. This program has not been implemented presently, but is planned in the future.
2080-RC-SPE Special Collection Events	A number of community service organizations within the County have sponsored special collection events in the past as fundraisers. e.g., Boy Scouts, senior citizen groups.
4000-SP-ASH Ash	The Sierra Pacific Industries co-generation facility in Loyalton implements a program of reusing ash as a soil amendment. The County's Solid Waste Ordinance prohibits the disposal of industrial ash at the landfill.
4010-SP-SLG Sludge (sewage/industrial)	The County's Solid Waste Ordinance prohibits the disposal of sludge at the landfill.
4020-SP-TRS Tires	The County implements a tire recycling program. Tires are collected for recycling at the Loyalton Landfill in accordance with the <i>Tire Management Plan</i> . When a sufficient number of tires are collected, the tires are removed by a tire recycler. The County's ordinance requiring separation of recyclable materials and enforcement at the landfill and transfer stations allows for a high rate of diversion for these materials.
4030-SP-WHG White Goods	White goods are separated for recycling at the Loyalton Landfill. The County's ordinance requiring separation of recyclable materials and enforcement at the landfill and transfer stations allows for a high rate of diversion for these materials.
4040-SP-SCM Scrap Metal	Scrap metal is separated for recycling at the Loyalton Landfill. The County's ordinance requiring separation of recyclable materials and enforcement at the landfill and transfer stations allows for a high rate of diversion for these materials.
4050-SP-WDW Wood Waste	Wood wastes are separated at the transfer stations and at the landfill. The County has occasionally used a wood chipper in the past to chip the wood for landscaping purposes. The current chipper is in disrepair and the County is presently in the process of acquiring a new chipper with grant funding from the Northern Sierra Air Quality Management District. This chipper should be purchased by the end of the upcoming summer and it is the County's intent to chip all wood wastes received at the transfer stations and landfill. The wood chips are to be used on County Public Works projects and made available for public use.
4060-SP-CAR Concrete/Asphalt/Rubble	Construction debris from public works projects is often stored at the Loyalton Landfill for subsequent reuse. Asphalt from road resurfacing projects is commonly used as base material by the County Public Works Department. Concrete has been used as rip rap material for slope stabilization on various projects.
4100-SP-OTH Other Special Waste	Autobodies, televisions, and computer CRTs are also separated for subsequent recycling at the Loyalton Landfill and transfer stations.

Sierra County Integrated Waste Management Program

5010-ED-PRN Print (brochures, flyers, guides, news articles)	The County's SRRE incorporates the use of brochures, flyers and guides as part of its Education Component. Brochures covering a variety of recycling and source reduction topics have been distributed in the past through various programs. e.g., school education, distribution at the transfer stations and landfill, and at county offices, interoffice memos at governmental agencies. The local newspapers provide excellent coverage of solid waste issues presented at the Board of Supervisors meetings.
5020-ED-OUT Outreach (tech assistance, presentations, awards, fairs, field trips)	Outreach programs have been implemented through the local schools, community functions, and with local service organizations targeting solid waste issues. Each year, two community events are attended by County staff with educational programs being provided. The County has also worked closely with the local waste hauler contractors in developing and coordinating recycling programs.
5030-ED-SCH Schools (education and curriculum)	The County has actively and cooperatively worked with the local schools to implement education programs covering solid wastes issues. These programs include supplying the educational materials and at times placing recycling bins at some of the schools. The proceeds from this recycling are sent back to the schools.
6000-PI-PLB Product Landfill Ban	The following materials are prohibited from disposal at the Loyalton Landfill by County Ordinance: Explosives, radioactive material, medical wastes, municipal sludge, industrial sludge, asbestos, animal carcasses, industrial ash, and hazardous waste. The County also requires that recyclable materials be separated from refuse prior to disposal to the landfill and transfer station to prevent them from being landfilled.
6010-PI-PLB Economic Incentives	The County Solid Waste Ordinance provides that waste generators be assessed based upon the quantity of waste generated. In addition, fees exist for special waste types and for unseparated wastes.
6020-PI-ORD Ordinances	The County Solid Waste Ordinance prohibits the disposal of certain waste types at the Loyalton Landfill and provides for the collection of disposal fees based upon waste quantity and type. These ordinances serve to promote recycling and source reduction within the County.
7010-FR-LAN Landfill	Facilities exist for the collection and separation of recyclable materials at the Loyalton Landfill. The following materials are presently separated and recycled at the landfill: Beverage containers (aluminum, plastic, and glass), cardboard, white goods, scrap metal, tires, autobodies, construction debris (asphalt, concrete, rubble), wood wastes, yard wastes, batteries, antifreeze, waste oil, paint, CRTs.
7020-FR-TST Transfer Station	Facilities exist for the collection and separation of recyclable materials each of the County's four transfer stations. The following materials are presently separated and thereafter transported to the landfill for subsequent recycling: Beverage containers (aluminum, plastic, and glass), tires, autobodies, wood wastes, yard wastes, batteries, antifreeze, waste oil, paint, CRTs.
8030-TR-OTH Other Transformation	Wood and yard waste is separated at the County transfer stations and landfill. Some of the wood waste is chipped for landscaping materials. Wood waste that is not chipped is burned together with yard waste at the County sites.
9000-HH-PMF Permanent Facility	Collection facilities for anti-freeze, batteries, oil, oil filters and paint (ABOP lockers) have been established at two of the County's transfer stations (Alleghany and Ramshorn) and the Loyalton landfill. The County's other two transfer stations allow for the collection of oil, oil filters, and batteries. The County hopes to allow collection of anti-freeze and paint at these two facilities in the future if funding becomes available. The current facilities were funded primarily through grants from the CIWMB and Department of Conservation.
9010-HH-MPC Mobile or Periodic Collection	The County's Household Hazardous Waste Element of its Integrated Waste Management Plan in recognition of the need to prevent the disposal of household hazardous waste proposed that events be conducted by the County for the benefit of its residents on an annual basis. Over the past five years, two such events have been sponsored by the County using grant funding administered by the CIWMB. The

Sierra County Integrated Waste Management Program

	County recognizes the need for these events, however, has been limited in its ability to implement the program due to funding limitations.
9030-HH-WSE Waste Exchange	The County's Household Hazardous Waste Element of its Integrated Waste Management Plan identifies the Waste Exchange as a mechanism for recycling hazardous wastes. Presently, the County has yet to utilize this service, although it is identified as a means for recycling for both private and public use.
9040-HH-EDP Education Programs	The County provides education concerning household hazardous wastes in conjunction with its other solid waste education programs. The County transfer stations and landfill have signing describing household hazardous wastes.

Office of Local Assistance
Program Listing for
Sierra County Regional Agency

Page 1
Date Printed
October 16, 2002

Program Code	Existed	Slcted?	Pre 1995 Start Date	1995 Status Reason	1996 Status Reason	1997 Status Reason	1998 Status Reason	1999 Status Reason	2000 Status Reason
1010-SR-BCM Backyard and On-Site Composting/Mulching	Y	Y	1990	SO	SO	SO	SO	SO	SO
1030-SR-PMT Procurement	N	Y	1995	SI	SO	SO	SO	SO	SO
1050-SR-GOV Government Source Reduction Programs	Y	Y	1990	SO	SO	SO	SO	SO	SO
1070-SR-OTH Other Source Reduction	Y	Y	1990	SO	SO	SO	SO	SO	SO
2010-RC-DRP Residential Drop-Off	Y	Y	1991	SO	SO	SO	SO	SO	SO
2020-RC-BYB Residential Buy-Back	N	Y	1991	NI 4, 5, 7	NI 4, 5, 7	NI 4, 5, 7	NI 4, 5, 7	NI 4, 5, 7	NI 4, 5, 7
2040-RC-SFH Commercial Self-Haul	Y	Y	1991	SO	SO	SO	SO	SO	SO
2050-RC-SCH School Recycling Programs	Y	Y	1991	SO	SO	SO	SO	SO	SO
2060-RC-GOV Government Recycling Programs	Y	Y	1991	SO	SO	SO	SO	SO	SO
2070-RC-SNL Special Collection Seasonal (regular)	N	Y	NA	PF	PF	PF	PF	PF 4	PF

Status Code Legend
SO = Selected Ongoing
AO = Alternative Ongoing
SI = Selected Implemented
AI = Alternative Implemented
M = Regional Agency did not exist

D = Dropped
DE = Dropped in Earlier Year
NI = Selected and Not Implemented
PF = Planned Future
NA = Program did not exist

Reason Code Legend
1 = Delays in bringing diversion facilities online.
2 = Unavoidable regulatory delays.
3 = Existing contractual or legal problems.
4 = Insufficient funding.
5 = Insufficient staffing.
6 = Lack of cooperation from other entities.
7 = Sufficient diversion without selected program.
8 = Lack of markets necessary to support program.
9 = Other

Application: PARIS

Office of Local Assistance
Program Listing for
Sierra County Regional Agency

Page 2
Date Printed
October 16, 2002

Program Code	Existed	Sicted?	Pre 1995 Start Date	1995 Status Reason	1996 Status Reason	1997 Status Reason	1998 Status Reason	1999 Status Reason	2000 Status Reason
2080-RC-SPE Special Collection Events	Y	Y	1991	SO	SO	SO	SO	SO	SO
4000-SP-ASH Ash	N	Y	1995	SI	SO	SO	SO	SO	SO
4010-SP-SLG Sludge (sewage/industrial)	Y	Y	1991	SO	SO	SO	SO	SO	SO
4020-SP-TRS Tires	N	Y	1991	SO	SO	SO	SO	SO	SO
4030-SP-WHG White Goods	Y	Y	1991	SO	SO	SO	SO	SO	SO
4050-SP-WDW Wood Waste	N	Y	1997	PF	PF	SI	SO	SO	SO
4060-SP-CAR Concrete/Asphalt/Rubble	Y	Y	1991	SO	SO	SO	SO	SO	SO
5010-ED-PRN Print (brochures, flyers, guides, news articles)	N	Y	1997	PF	PF	SI	SO	SO	SO
5020-ED-OUT Outreach (tech assistance, presentations, awards, fairs, field trips)	N	Y	1996	PF	SI	SO	SO	SO	SO
5030-ED-SCH Schools (education and curriculum)	Y	Y	1990	SO	SO	SO	SO	SO	SO

Status Code Legend
SO = Selected Ongoing
AO = Alternative Ongoing
SI = Selected Implemented
AI = Alternative Implemented
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D = Dropped
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Application: PARIS

Office of Local Assistance
Program Listing for
Sierra County Regional Agency

Page 3
Date Printed
October 16, 2002

Program Code	Existed	Selected?	Pre 1995 Start Date	1995 Status Reason	1996 Status Reason	1997 Status Reason	1998 Status Reason	1999 Status Reason	2000 Status Reason
6010-PI-EIN Economic Incentives	N	Y	1997	PF	PF	SI	SO	SO	SO
6020-PI-ORD Ordinances	Y	Y	1990	SO	SO	SO	SO	SO	SO
7020-FR-TST Transfer Station	Y	Y	1991	SO	SO	SO	SO	SO	SO
8030-TR-OTH Other Transformation	Y	Y	1991	SO	SO	SO	SO	SO	SO
9000-HH-PMF Permanent Facility	N	Y	1996	PF	SI	SO	SO	SO	SO
9010-HH-MPC Mobile or Periodic Collection	N	Y	1999	PF	SI	SO	D 4	SI	SO
9030-HH-WSE Waste Exchange	N	Y	NA	NI 7	NI 7	NI 7	NI 7	NI 7	NI 7
9040-HH-EDP Education Programs	Y	Y	1990	SO	SO	SO	SO	SO	SO

Status Code Legend
SO = Selected Ongoing
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Reason Code Legend
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4 = Insufficient funding.
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6 = Lack of cooperation from other entities.
7 = Sufficient diversion without selected program.
8 = Lack of markets necessary to support program.
9 = Other

Application: PARIS

Print date: 1/6/2003

California Integrated Waste Management Board
Office of Local Assistance
8800 Cal Center Drive
Sacramento, CA 95826

These are the values for the diversion rate calculation required to be submitted to the California Integrated Waste Management Board as part of the Annual Report.

Jurisdiction: **Sierra County Regional Agency**County: **Sierra County**

Base-Year: 1991
Base-Year Generation Amount (tons): 3253
57
Base-Year Residential Generation Rate: %
Reporting-Year: 1999
50
Diversion Rate Requirement: %
Reporting-Year Disposal Amount (tons): 2,399

Reported Disaster Waste (tons): 0
Reported Medical Waste (tons): 0
Reported Regional Diversion Facility Residual Waste (tons): 0
Reported Out-of-State Export (Diverted) (tons): 0
Reported Sludge Diverted Waste (tons): 0
Reported Other Disposal Amount (tons): 0

Total Disposal Reduction Credit Amount Reported (tons): 0

Total Adjusted Reporting-Year Disposal Amount (tons): 2,399

	Source	Base-Year	Reporting-Year	% Change
Population:	County	3,320	3,810	14.8%
Taxable Sales (x1000):	County	13,907	19,996	43.8%
Employment:	County	950	990	4.2%
Consumer Price Index:	State	140.6	168.5	19.8%

Change in Residential Sector (%): 13.4% Growth
Change in Non-Residential Sector (%): 12.1% Growth
Estimated Reporting-Year Generation Tonnage: 3,671

The Calculated Reporting-Year Diversion Rate (%): **35%**

Justification of all numbers are provided in the Annual Report. I am the representative for the jurisdiction named above and am authorized to submit this diversion rate as part of the jurisdiction's Annual Report. I request that the Board accept the diversion rate as submitted.

Signature

Date

Title

DIRECTOR OF PUBLIC WORKS

<u>TIM H. BEALS</u>	<u>(530) 289-3201</u>	
Print Name	Telephone Number	E-mail Address

Print date: 1/6/2003

California Integrated Waste Management Board
Office of Local Assistance
8800 Cal Center Drive
Sacramento, CA 95826

These are the values for the diversion rate calculation required to be submitted to the California Integrated Waste Management Board as part of the Annual Report.

Jurisdiction: **Sierra County Regional Agency**

County: **Sierra County**

Base-Year:	1991
Base-Year Generation Amount (tons):	3253
	57
Base-Year Residential Generation Rate:	%
Reporting-Year:	2000
	50
Diversion Rate Requirement:	%
Reporting-Year Disposal Amount (tons):	2,820

Reported Disaster Waste (tons):	0
Reported Medical Waste (tons):	0
Reported Regional Diversion Facility Residual Waste (tons):	0
Reported Out-of-State Export (Diverted) (tons):	0
Reported Sludge Diverted Waste (tons):	0
Reported Other Disposal Amount (tons):	0

Total Disposal Reduction Credit Amount Reported (tons):	0
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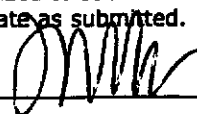
Total Adjusted Reporting-Year Disposal Amount (tons):	2,820
---	-------

	Source	Base-Year	Reporting-Year	% Change
Population:	County	3,320	3,700	11.4%
Taxable Sales (x1000):	County	13,907	20,014	43.9%
Employment:	County	950	1,010	6.3%
Consumer Price Index:	State	140.6	174.8	24.3%

Change in Residential Sector (%):	11.2%	Growth
Change in Non-Residential Sector (%):	11.0%	Growth
Estimated Reporting-Year Generation Tonnage:	3,616	

The Calculated Reporting-Year Diversion Rate (%): **22%**

Justification of all numbers are provided in the Annual Report. I am the representative for the jurisdiction named above and am authorized to submit this diversion rate as part of the jurisdiction's Annual Report. I request that the Board accept the diversion rate as submitted.

Signature		Date	1/15/03	Title	DIRECTOR OF PUBLIC WORKS
-----------	---	------	---------	-------	--------------------------

TIM H BEALS

Print Name

(530) 289-3201

Telephone Number

E-mail Address

TABLE 1

SIERRA COUNTY DIVERSION RATE ALTERNATIVE ADJUSTMENT FACTORS

Sierra County Regional Agency
Solid Waste Diversion Rate Measurement

Year	CPI
1990	135
1991	140.6
1992	145.6
1993	149.4
1994	151.5
1995	154
1996	157.1
1997	160.5
1998	163.7
1999	168.5
2000	174.8

Year	Population (DOF-1990 Census Est.)	Population (DOF-2000 Census Est.)	Population (CIWMB-County)	Population (Values Used)
1990	3,318	3,318	3,318	3,318
1991	3,320	3,320	3,320	3,320
1992	3,300	3,350	3,350	3,350
1993	3,320	3,420	3,420	3,420
1994	3,350	3,490	3,490	3,490
1995	3,370	3,530	3,530	3,530
1996	3,380	3,580	3,580	3,580
1997	3,360	3,600	3,600	3,600
1998	3,360	3,720	3,720	3,720
1999	3,250	3,810	3,810	3,810
2000	3,140	3,555	3,700	3,700 - 3555 should be used

Year	CIWMB Taxable Sales (w/o unallocated)	CIWMB Taxable Sales (w/ unallocated)	BOE Taxable Sales (w/o unallocated)	BOE Taxable Sales (w/ unallocated)	Taxable Sales (Values Used)
1990	8,588	13,994	8,588	13,994	13,994
1991	8,512	13,907	8,512	13,907	13,907
1992	8,238	12,771	8,238	12,771	12,771
1993	8,541	13,112	8,541	13,112	13,112
1994	8,002	12,067	8,002	12,067	12,067
1995	8,911	15,449	8,911	15,449	15,449
1996	16,818	23,301	16,818	23,301	23,301
1997	9,589	15,503	9,589	15,503	15,503
1998	11,689	17,582	11,689	17,582	17,582
1999	10,750	19,996	10,750	19,996	19,996
2000	11,704	20,014	11,704	20,014	20,014

Year	Countywide Employment (BEA)	Countywide Employment (CIWMB-LF)	Countywide Employment (CIWMB-Ind.)	Countywide Employment (Values Used)
1990	1,452	1,820	920	920
1991	1,415	1,830	950	950
1992	1,509	1,900	970	970
1993	1,472	1,580	980	980
1994	1,542	1,580	980	980
1995	1,577	1,540	970	970
1996	1,575	1,540	990	990
1997	1,700	1,560	1,000	1,000
1998	1,604	1,430	950	950
1999	1,623	1,430	990	990
2000	1,685	1,520	1,010	1,010

TABLE 2

SIERRA COUNTY DIVERSION RATE CALCULATIONS

Sierra County Regional Agency
Solid Waste Diversion Rate Measurement

Year	IM	CTR	EM	TM	NRAF	PM	RAF	ERYG	MAX%
1990	-	-	-	-	-	-	-	-	-
1991	1.0000	13,907	1.0000	1.0000	1.0000	1.0000	1.0000	3,253	0.75
1992	0.9657	12,332	1.0211	0.8868	0.9539	1.0090	0.9815	3,154	0.75
1993	0.9411	12,340	1.0316	0.8873	0.9594	1.0301	0.9948	3,187	0.75
1994	0.9281	11,199	1.0316	0.8053	0.9184	1.0512	0.9848	3,111	0.75
1995	0.9130	14,105	1.0211	1.0142	1.0176	1.0633	1.0404	3,353	0.75
1996	0.8950	20,854	1.0421	1.4995	1.2708	1.0783	1.1746	3,955	0.75
1997	0.8760	13,581	1.0526	0.9765	1.0146	1.0843	1.0495	3,365	0.75
1998	0.8589	15,101	1.0000	1.0859	1.0429	1.1205	1.0817	3,465	0.75
1999	0.8344	16,685	1.0421	1.1998	1.1209	1.1476	1.1343	3,671	0.50
2000	0.8043	16,098	1.0632	1.1576	1.1104	1.1145	1.1124	3,616	0.50

Year	MAXTONS	R.Y. DISP. AMT.	R.Y. CORR. AMT.	CRYTONS	TOUG	DISP%	DIV%	"NEW" DIV%	"OLD" DIV%
1990	-	-	-	-	-	-	-	-	-
1991	2,440	3,253	0	3,253	-813	1.0000	0.0000	-	-
1992	2,366	3,179	0	3,179	-813	1.0079	-0.0079	-0.79	3.20
1993	2,390	3,211	0	3,211	-821	1.0077	-0.0077	-0.77	3.20
1994	2,333	3,243	0	3,243	-910	1.0425	-0.0425	-4.25	3.20
1995	2,514	2,796	0	2,796	-282	0.8340	0.1660	16.60	9.78
1996	2,987	2,391	0	2,391	576	0.6045	0.3955	39.55	34.95
1997	2,524	2,818	0	2,818	-294	0.8374	0.1626	16.26	18.96
1998	2,598	2,525	0	2,525	73	0.7288	0.2712	27.12	11.00
1999	1,836	2,399	0	2,399	-563	0.6535	0.3465	34.65	29.00
2000	1,808	2,820	0	2,820	-1,012	0.7799	0.2201	22.01	13.00

R.Y. DISP. AMT. and "OLD" DIV% for years 1992-1994 from "Solid Waste Generation Study, Sierra County"

CONSTANTS:

Base-Year Residential Generation = 0.57 1854 Tons
 Base-Year Non-Residential Generation = 0.43 1399 Tons
 Diversion Goal (prior to 1999) = 0.25
 Diversion Goal (1999-2000) = 0.5

LEGEND:

IM - Inflation Multiplier = Base Year CPI / Reporting Year CPI
 CTR - Corrected Reporting Year Taxable Sales = IM X Reporting Year Taxable Sales
 EM - Employment Multiplier = Reporting Year Employment / Base Year Employment
 TM - Taxable Sales Multiplier = CTR / Base Year Taxable Sales
 NRAF - Non Residential Adjustment Factor = (EM + TM) / 2
 PM - Population Multiplier = Reporting Year Population / Base Year Population
 RAF - Residential Adjustment Factor = (PM + NRAF) / 2
 ERYG - Estimated Reporting Year Generation Tonnage =
 (Base Year Residential Generation X RAF) + (Base Year Non Residential Generation X NRAF)
 MAX% - Reporting Year Maximum Allowable Disposal Percentage = 100% - Diversion Goal%
 MAXTONS - Reporting Year Maximum Allowable Disposal Tonnage = ERYG X MAX%
 R.Y. DISP. AMT. - Reporting Year Disposal Amount
 R.Y. CORR. AMT. - Reporting Year Correction Amount
 CRYTONS - Corrected Reporting Year Disposal Tonnage = R.Y. DISP. AMT. - R.Y. CORR. AMT.
 TOUG - Tonnage Over or Under Goal = MAXTONS - CRYTONS
 DISP% - Reporting Year Disposal Rate = CRYTONS / ERYG
 DIV% - Reporting Year Diversion Rate = 100% - DISP%